

IN THE CLAIMS:

Please consider the claims as follows:

1. (Currently Amended) A system ~~System~~ comprising an optical system (1), a videophone (2), and an adapter (3;55) arranged to couple said optical system (1) to said videophone (2) in such a way that an image to be generated by the optical system (1) can be observed and recorded by a camera of said videophone (2), said camera being integrated in a housing of said videophone, wherein the adapter (3;55) comprises a receptacle (16;60) for positioning and clamping the videophone (2).
2. (Currently Amended) The System ~~system~~ according to claim 1, ~~characterised~~ characterized in that the videophone (2) is a mobile telephone (2).
3. (Currently Amended) The System ~~system~~ according to ~~one of the preceding claims~~ claim 1, ~~characterised~~ characterized in that the adapter (3;55) comprises attachment means (13) for attaching the image end of the optical system (1) to the device (3;55).
4. (Currently Amended) The System ~~system~~ according to claim 3, ~~characterised~~ characterized in that the attachment means (13) are equipped such that the optical system (1) can be attached such that it can be turned relative to the videophone (2).
5. (Currently Amended) The System ~~system~~ according to ~~one of the preceding claims~~ claim 1, ~~characterised~~ characterized in that the adapter (3;55) comprises at least one focusing device for optically matching the optical system image to the camera of the videophone (2).

6. (Currently Amended) The System system according to [[one of claims 1-4]] claim 1, characterised characterized in that the adapter (3;55) comprises at least one first spacer ring (41) for determining the distance between the optical system (1) and the camera of the videophone (2) such that the image to be generated by the optical system (1) is displayed sharply on the camera.

7. (Currently Amended) The System system according to ~~any of the preceding claims~~ claim 1, wherein the optical system is an endoscope (1).

8. (Currently Amended) The System system according to ~~any of the preceding claims~~ claim 1, comprising a zoom adapter that changes image size for enlarging/reducing the image.

9. (Currently Amended) The System system according to ~~any of the preceding claims~~ claim 1, comprising a filter arranged to shift the wavelength of radiation forming the image.

10. (Currently Amended) The System system according to ~~any of the preceding claims~~ claim 1, arranged such that it can be safely used in potentially explosive atmospheres.

11. (Currently Amended) The System system according to ~~any of the preceding claims~~ claim 1, wherein said adapter (3;55) is arrange to removably couple said optical system (1) to said videophone (2).

12. (Currently Amended) The System system according to ~~any of the proceeding~~ claims claim 1, wherein said system further comprises an interchangeable objective (54) and an illumination system (66) arranged to illuminate a range of said objective (54).

13. (Currently Amended) The System system according to ~~any of the preceding claims~~ claim 12, wherein said system comprises a ~~second~~ spacer ring (58) arranged onto said objective (54) so that the objective (54) can be directly placed onto an object to be imaged.

14. (Currently Amended) A Method method for providing, remote from an object not being a person or an animal, an image of a part of the object, comprising:

[[-]] providing a videophone having a camera integrated in its housing;

[[-]] coupling an optical system to said videophone by way of clamping part of said housing of said videophone into an adapter (3;55) arranged to couple said optical system to said videophone;

[[-]] recording an image of the part using the optical system and the videophone, and

[[-]] transmitting the recorded image using the videophone.

15. (Currently Amended) The Method method according to claim 14, wherein said optical system comprises an endoscope and said method comprises:

[[-]] inserting an end of the endoscope intended for this purpose into the object.